



Leaded Power Inductor - HPK Series

FEATURES

- * Low cost
- * Wide range of inductance
- * High reliability

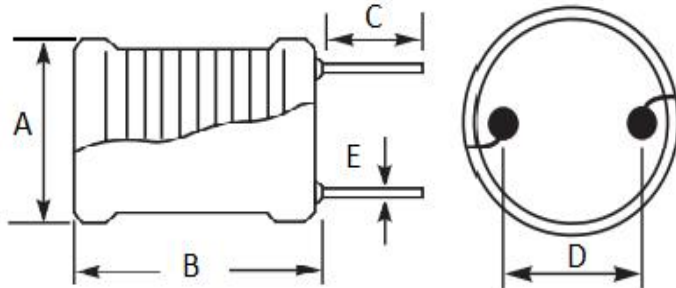


ORDERING CODE(标志示例)

HPK □□□ **C** - □□□ □
(1) (2) (3) (4) (5)

- (1) HPK 向华料号 Part Number
- (2) 尺寸 Dimensions
- (3) C: 无套管 T: 加套管 ST: 编带
- (4) 电感量 Inductance
- (5) 电感量公差 Inductance Tolerance

Shape and Dimensions



Dimensions in mm

TYPE	A	B	C	D	E
HPK0406	6.0 ⁺⁰	8.0 ⁺⁰	10 ⁻⁰	2.50±0.5	0.50
HPK0608	8.0 ⁺⁰	10.0 ⁺⁰	10 ⁻⁰	3.50±0.5	0.65
HPK0810	10.0 ⁺⁰	12.0 ⁺⁰	10 ⁻⁰	5.00±0.5	0.65
HPK1016	13.0 ⁺⁰	19.0 ⁺⁰	10 ⁻⁰	6.50±0.5	0.80
HPK1216	15.0 ⁺⁰	19.0 ⁺⁰	10 ⁻⁰	7.50±0.5	0.80



Lead Power Inductor - HPK0406 Series

HPK0406 series Electrical Characteristics

Part No.	Inductance (μ H)	Tolerance (\pm %)	Test Freq.	Q Min	RDC (Ω)Max	Isat (mA) Max
HPK0406-1R0□	1.0	10,20	7.96MHz	50	0.15	300
HPK0406-1R2□	1.2	10,20	7.96MHz	50	0.15	300
HPK0406-1R5□	1.5	10,20	7.96MHz	55	0.20	300
HPK0406-1R8□	1.8	10,20	7.96MHz	70	0.20	300
HPK0406-2R2□	2.2	10,20	7.96MHz	75	0.25	300
HPK0406-2R7□	2.7	10,20	7.96MHz	80	0.25	300
HPK0406-3R3□	3.3	10,20	7.96MHz	80	0.25	300
HPK0406-3R9□	3.9	10,20	7.96MHz	80	0.30	300
HPK0406-4R7□	4.7	10,20	7.96MHz	75	0.30	300
HPK0406-5R6□	5.6	10,20	7.96MHz	75	0.35	300
HPK0406-6R8□	6.8	10,20	7.96MHz	70	0.35	300
HPK0406-8R2□	8.2	10,20	7.96MHz	70	0.35	300
HPK0406-100□	10	10,20	2.52MHz	80	0.60	200
HPK0406-120□	12	10,20	2.52MHz	80	0.65	200
HPK0406-150□	15	10,20	2.52MHz	80	0.75	200
HPK0406-180□	18	10,20	2.52MHz	75	0.85	200
HPK0406-220□	22	10,20	2.52MHz	75	1.00	200
HPK0406-270□	27	10,20	2.52MHz	75	1.20	200
HPK0406-330□	33	10,20	2.52MHz	75	1.30	200
HPK0406-390□	39	10,20	2.52MHz	70	1.50	200
HPK0406-470□	47	10,20	2.52MHz	70	1.60	200
HPK0406-560□	56	10,20	2.52MHz	65	1.65	200
HPK0406-680□	68	10,20	2.52MHz	60	1.80	200
HPK0406-820□	82	10,20	2.52MHz	55	1.85	200
HPK0406-101□	100	10,20	0.796MHz	80	2.00	200
HPK0406-121□	120	10,20	0.796MHz	80	2.50	100
HPK0406-151□	150	10,20	0.796MHz	80	3.00	100
HPK0406-181□	180	10,20	0.796MHz	75	3.50	100
HPK0406-221□	220	10,20	0.796MHz	75	4.00	100
HPK0406-271□	270	10,20	0.796MHz	70	5.00	50
HPK0406-331□	330	10,20	0.796MHz	70	6.00	50
HPK0406-391□	390	10,20	0.796MHz	70	6.50	50
HPK0406-471□	470	10,20	0.796MHz	70	7.50	50
HPK0406-561□	560	10,20	0.796MHz	70	8.00	50
HPK0406-681□	680	10,20	0.796MHz	70	8.50	50
HPK0406-821□	820	10,20	0.796MHz	70	9.50	50

Note: When ordering, please specify tolerance code. Tolerance: K= \pm 10% M= \pm 20%

- Operating temperature range $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (Including self - temperature rise)
- Isat for Inductance drop 10% from its value without current.
- "-N" FOR COMPLETELY LEAD FREE TYPE (INCLUDING FERRITE BODY & SOLDER)

Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without advance notice. Please contact our sales department before ordering.



Lead Power Inductor - HPK0608 Series

HPK0608 series Electrical Characteristics

Part No.	Inductance (μ H)	Tolerance ($\pm\%$)	Test Freq.	Q Min	RDC (Ω)Max	Isat (mA) Max
HPK0608-102□	1000	10,20	252KHz	80	4.00	110
HPK0608-122□	1200	10,20	252KHz	80	4.70	95
HPK0608-152□	1500	10,20	252KHz	80	5.90	90
HPK0608-182□	1800	10,20	252KHz	80	6.00	80
HPK0608-222□	2200	10,20	252KHz	80	7.30	70
HPK0608-272□	2700	10,20	252KHz	80	9.00	65
HPK0608-332□	3300	10,20	252KHz	80	10.00	60
HPK0608-392□	3900	10,20	252KHz	80	11.00	55
HPK0608-472□	4700	10,20	252KHz	80	15.00	52
HPK0608-562□	5600	10,20	252KHz	80	16.00	50
HPK0608-682□	6800	10,20	252KHz	80	22.00	45
HPK0608-822□	8200	10,20	252KHz	80	25.00	40
HPK0608-103□	10000	10,20	252KHz	80	32.50	35
HPK0608-123□	12000	10,20	252KHz	80	53.00	32
HPK0608-153□	15000	10,20	252KHz	80	62.00	30
HPK0608-183□	18000	10,20	252KHz	80	68.00	28
HPK0608-223□	22000	10,20	252KHz	80	78.00	25
HPK0608-273□	27000	10,20	252KHz	80	90.00	22
HPK0608-333□	33000	10,20	252KHz	80	150.00	20
HPK0608-393□	39000	10,20	252KHz	80	160.00	16
HPK0608-473□	47000	10,20	252KHz	80	190.00	15

Note: When ordering, please specify tolerance code. Tolerance: K=±10% M=±20%

- Operating temperature range $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (Including self - temperature rise)
- Isat for Inductance drop 10% from its value without current.
- "-N" FOR COMPLETELY LEAD FREE TYPE(INCLUDING FERRITE BODY & SOLDER)



Lead Power Inductor - HPK0810 Series

HPK0810 series Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (±%)	Test Freq.	SRF	RDC	Isat	Irms(A)	Irms(A)
				Typ.(MHz)	(Ω)Max	(A) Max	20℃	40℃
HPK0810-100□	10	10,20	100KHz,0.1V	22	0.030	4.20	4.00	5.30
HPK0810-120□	12	10,20	100KHz,0.1V	20	0.035	3.90	3.75	5.10
HPK0810-150□	15	10,20	100KHz,0.1V	17	0.040	3.60	3.52	4.80
HPK0810-180□	18	10,20	100KHz,0.1V	15	0.040	3.30	3.30	4.50
HPK0810-220□	22	10,20	100KHz,0.1V	12	0.050	2.90	3.20	4.20
HPK0810-270□	27	10,20	100KHz,0.1V	12	0.055	2.60	2.87	3.90
HPK0810-330□	33	10,20	100KHz,0.1V	11	0.075	2.40	2.65	3.60
HPK0810-390□	39	10,20	100KHz,0.1V	10.3	0.085	2.20	2.44	3.30
HPK0810-470□	47	10,20	100KHz,0.1V	9.5	0.100	2.00	2.22	3.00
HPK0810-560□	56	10,20	100KHz,0.1V	8.6	0.120	1.80	2.00	2.70
HPK0810-680□	68	10,20	100KHz,0.1V	7.5	0.150	1.60	1.77	2.40
HPK0810-820□	82	10,20	100KHz,0.1V	6.6	0.190	1.50	1.54	2.10
HPK0810-101□	100	10,20	100KHz,0.1V	5.5	0.200	1.40	1.30	1.80
HPK0810-121□	120	10,20	100KHz,0.1V	5.3	0.240	1.20	1.22	1.70
HPK0810-151□	150	10,20	100KHz,0.1V	4.5	0.340	1.10	1.14	1.60
HPK0810-181□	180	10,20	100KHz,0.1V	4.4	0.360	1.00	1.06	1.50
HPK0810-221□	220	10,20	100KHz,0.1V	4.4	0.480	0.92	0.98	1.40
HPK0810-271□	270	10,20	100KHz,0.1V	4.0	0.550	0.84	0.90	1.30
HPK0810-331□	330	10,20	100KHz,0.1V	3.5	0.650	0.75	0.82	1.10
HPK0810-391□	390	10,20	100KHz,0.1V	3.0	0.850	0.70	0.85	1.00
HPK0810-471□	470	10,20	100KHz,0.1V	2.5	1.00	0.63	0.67	0.90
HPK0810-561□	560	10,20	100KHz,0.1V	2.3	1.10	0.58	0.59	0.80
HPK0810-681□	680	10,20	100KHz,0.1V	2.0	1.40	0.52	0.51	0.70
HPK0810-821□	820	10,20	100KHz,0.1V	2.0	1.90	0.48	0.43	0.60
HPK0810-102□	1000	10,20	100KHz,0.1V	2.0	2.20	0.43	0.35	0.50
HPK0810-122□	1200	10,20	100KHz,0.1V	1.6	2.80	0.40	0.33	0.47
HPK0810-152□	1500	10,20	100KHz,0.1V	1.3	3.20	0.35	0.31	0.45
HPK0810-182□	1800	10,20	100KHz,0.1V	1.3	3.60	0.32	0.29	0.42
HPK0810-222□	2200	10,20	100KHz,0.1V	1.3	4.80	0.29	0.27	0.39
HPK0810-272□	2700	10,20	100KHz,0.1V	1.2	5.60	0.26	0.25	0.36
HPK0810-332□	3300	10,20	100KHz,0.1V	1.0	7.60	0.24	0.23	0.33
HPK0810-392□	3900	10,20	100KHz,0.1V	0.9	8.90	0.22	0.21	0.31

Note: When ordering, please specify tolerance code. Tolerance: K=±10% M=±20%

- Operating temperature range -40℃~125℃(Including self - temperature rise)
- Isat for Inductance drop 10% from its value without current.
- "-N" FOR COMPLETELY LEAD FREE TYPE(INCLUDING FERRITE BODY & SOLDER)

Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without advance notice. Please contact our sales department before ordering.



Lead Power Inductor - HPK0810 Series

HPK0810 series Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (±%)	Test Freq.	SRF	RDC	Isat	Irms(A)	Irms(A)
				Typ.(MHz)	(Ω)Max	(A) Max	20℃	40℃
HPK0810-472□	4700	10,20	100KHz,0.1V	0.9	9.60	0.20	0.20	0.28
HPK0810-562□	5600	10,20	100KHz,0.1V	0.8	12.00	0.18	0.18	0.25
HPK0810-682□	6800	10,20	100KHz,0.1V	0.7	14.00	0.16	0.16	0.23
HPK0810-822□	8200	10,20	100KHz,0.1V	0.6	17.50	0.15	0.14	0.20
HPK0810-103□	10000	10,20	100KHz,0.1V	0.6	21.00	0.13	0.12	0.17
HPK0810-123□	12000	10,20	100KHz,0.1V	0.5	28.00	0.12	0.11	0.15
HPK0810-153□	15000	10,20	100KHz,0.1V	0.5	32.00	0.11	0.10	0.14
HPK0810-183□	18000	10,20	100KHz,0.1V	0.4	36.00	0.10	0.09	0.12

Note: When ordering, please specify tolerance code. Tolerance: K=±10% M=±20%

- Operating temperature range $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (Including self - temperature rise)
- Isat for Inductance drop 10% from its value without current.
- "-N" FOR COMPLETELY LEAD FREE TYPE (INCLUDING FERRITE BODY & SOLDER)



Lead Power Inductor - HPK1016 Series

HPK1016 series Electrical Characteristics

Part No.	Inductance (μ H)	Tolerance (\pm %)	Test Freq.	RDC (Ω)Max	Isat (A) Max
HPK1016-4R7□	4.7	10,20	1KHz,1V	0.018	10.00
HPK1016-6R8□	6.8	10,20	1KHz,1V	0.020	10.00
HPK1016-8R2□	8.2	10,20	1KHz,1V	0.022	10.00
HPK1016-100□	10	10,20	1KHz,1V	0.027	7.60
HPK1016-120□	12	10,20	1KHz,1V	0.024	7.50
HPK1016-150□	15	10,20	1KHz,1V	0.031	6.50
HPK1016-180□	18	10,20	1KHz,1V	0.039	6.00
HPK1016-220□	22	10,20	1KHz,1V	0.039	5.40
HPK1016-330□	33	10,20	1KHz,1V	0.047	4.40
HPK1016-470□	47	10,20	1KHz,1V	0.053	3.80
HPK1016-560□	56	10,20	1KHz,1V	0.068	3.40
HPK1016-680□	68	10,20	1KHz,1V	0.078	3.00
HPK1016-101□	100	10,20	1KHz,1V	0.099	2.50
HPK1016-121□	120	10,20	1KHz,1V	0.128	2.00
HPK1016-151□	150	10,20	1KHz,1V	0.182	1.80
HPK1016-181□	180	10,20	1KHz,1V	0.195	1.60
HPK1016-221□	220	10,20	1KHz,1V	0.312	1.40
HPK1016-271□	270	10,20	1KHz,1V	0.320	1.30
HPK1016-331□	330	10,20	1KHz,1V	0.390	1.20
HPK1016-391□	390	10,20	1KHz,1V	0.400	1.10
HPK1016-471□	470	10,20	1KHz,1V	0.490	1.00
HPK1016-561□	560	10,20	1KHz,1V	0.520	0.95
HPK1016-681□	680	10,20	1KHz,1V	0.880	0.80
HPK1016-821□	820	10,20	1KHz,1V	0.890	0.75
HPK1016-102□	1000	10,20	1KHz,1V	1.500	0.65
HPK1016-122□	1200	10,20	1KHz,1V	1.150	0.60
HPK1016-152□	1500	10,20	1KHz,1V	1.300	0.52
HPK1016-182□	1800	10,20	1KHz,1V	1.800	0.50
HPK1016-222□	2200	10,20	1KHz,1V	2.000	0.45
HPK1016-332□	3300	10,20	1KHz,1V	4.600	0.35
HPK1016-472□	4700	10,20	1KHz,1V	5.600	0.30
HPK1016-682□	6800	10,20	1KHz,1V	7.000	0.25
HPK1016-752□	7500	10,20	1KHz,1V	7.700	0.24
HPK1016-822□	8200	10,20	1KHz,1V	10.400	0.23
HPK1016-103□	10000	10,20	1KHz,1V	11.700	0.18
HPK1016-123□	12000	10,20	1KHz,1V	13.800	0.16
HPK1016-153□	15000	10,20	1KHz,1V	15.600	0.15
HPK1016-223□	22000	10,20	1KHz,1V	23.400	0.10

Note: When ordering, please specify tolerance code. Tolerance: K=±10% M=±20%

- Operating temperature range $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (Including self - temperature rise)
- Isat for Inductance drop 10% from its value without current.
- "-N" FOR COMPLETELY LEAD FREE TYPE (INCLUDING FERRITE BODY & SOLDER)

Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without advance notice. Please contact our sales department before ordering.



Lead Power Inductor - HPK1216 Series

HPK1216 series Electrical Characteristics

Part No.	Inductance (μ H)	Tolerance (\pm %)	Test Freq.	RDC (Ω)Max	Isat (A)	Irms (A)
HPK1216-101□	100.0	10,20	100KHz,0.25V	0.15	2.400	3.20
HPK1216-221□	220	10,20	100KHz,0.25V	0.31	1.600	2.15
HPK1216-331□	330	10,20	100KHz,0.25V	0.46	1.300	----
HPK1216-681□	680	10,20	100KHz,0.25V	1.00	0.900	----
HPK1216-102□	1000	10,20	100KHz,0.25V	0.90	0.750	1.00
HPK1216-402□	4000	10,20	100KHz,0.25V	3.73	0.490	0.50

Note: When ordering, please specify tolerance code. Tolerance: K= \pm 10% M= \pm 20%

- Operating temperature range $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (Including self - temperature rise)
- Isat for Inductance drop 10% from its value without current.
- "-N" FOR COMPLETELY LEAD FREE TYPE (INCLUDING FERRITE BODY & SOLDER)